

5750338

FIG. 1a

CELLS  
WITHIN  
CLINICAL  
SAMPLE



TARGET DNA

SOLUBLIZING AGENTS  
& DENATURATION  
OF NUCLEIC ACID

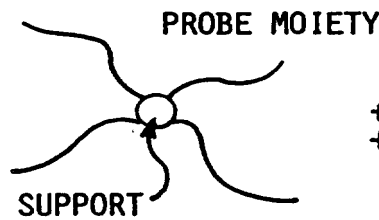
STEP 1

SAMPLE NUCLEIC ACID & CELLULAR DEBRI & IMPURITIES

STEP 2

RETRIEVABLE SUPPORT  
WITH PROBE MOIETY

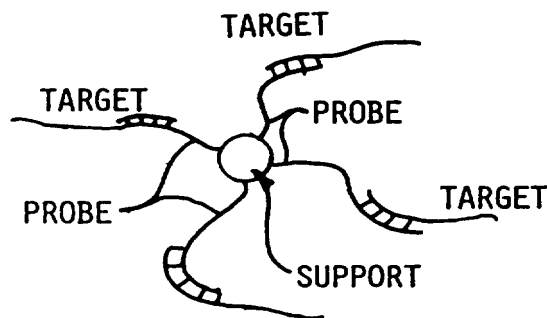
SAMPLE  
NUCLEIC ACID +



+ CELLULAR DEBRIS  
+ IMPURITIES

STEP 3

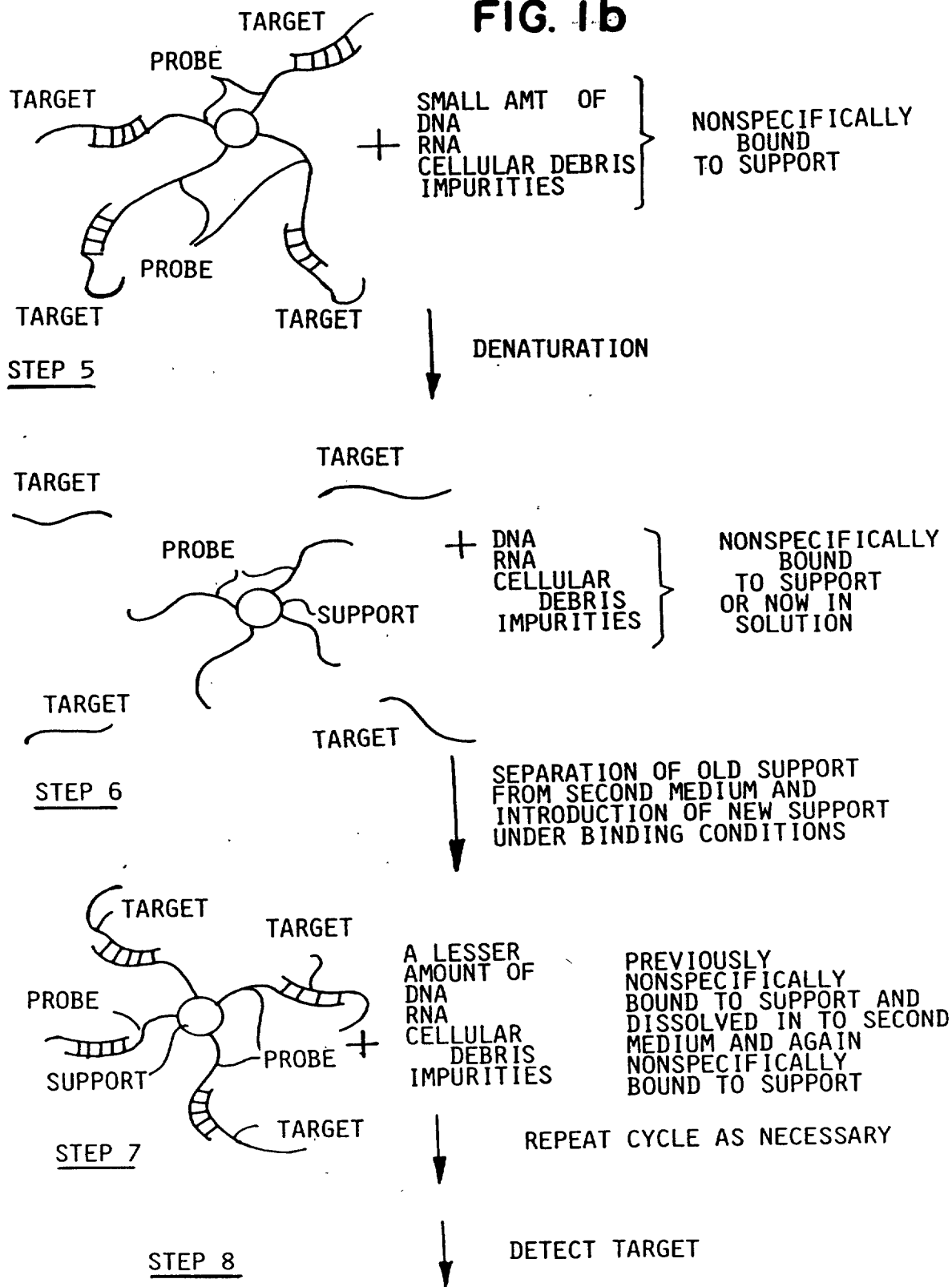
BINDING CONDITIONS



+ LARGE AMOUNT OF  
DNA  
RNA  
CELLULAR DEBRIS  
IMPURITIES

STEP 4

06050-0808230

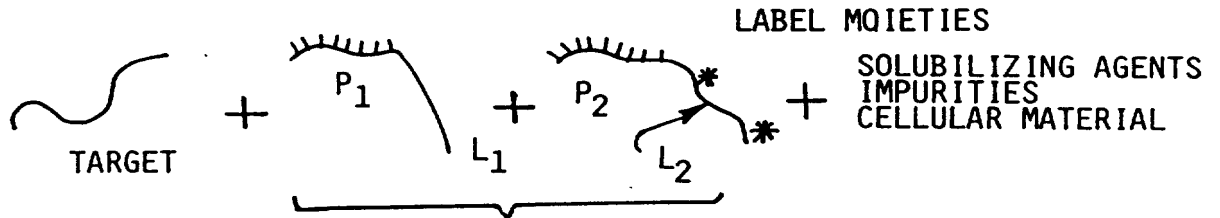


# FIG. 2a

CLINICAL SAMPLE

SOLUBILIZING AGENTS  
AND REAGENT

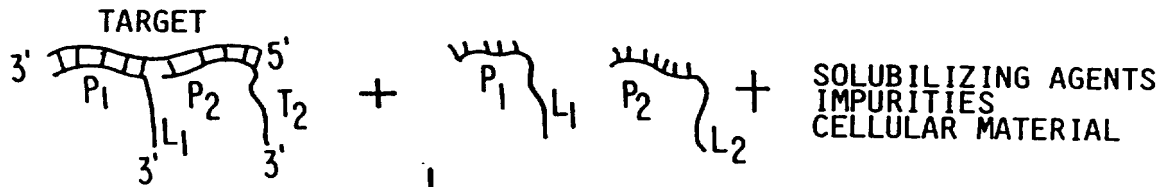
STEP 1



REAGENT

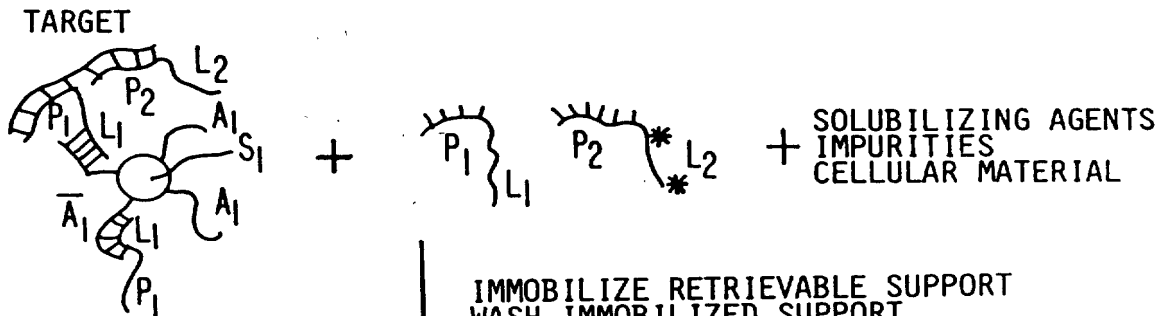
BINDING CONDITIONS

STEP 2



STEP 3

RETRIEVABLE SUPPORT WITH  
A<sub>1</sub> MOIETY UNDER BINDING CONDITIONS

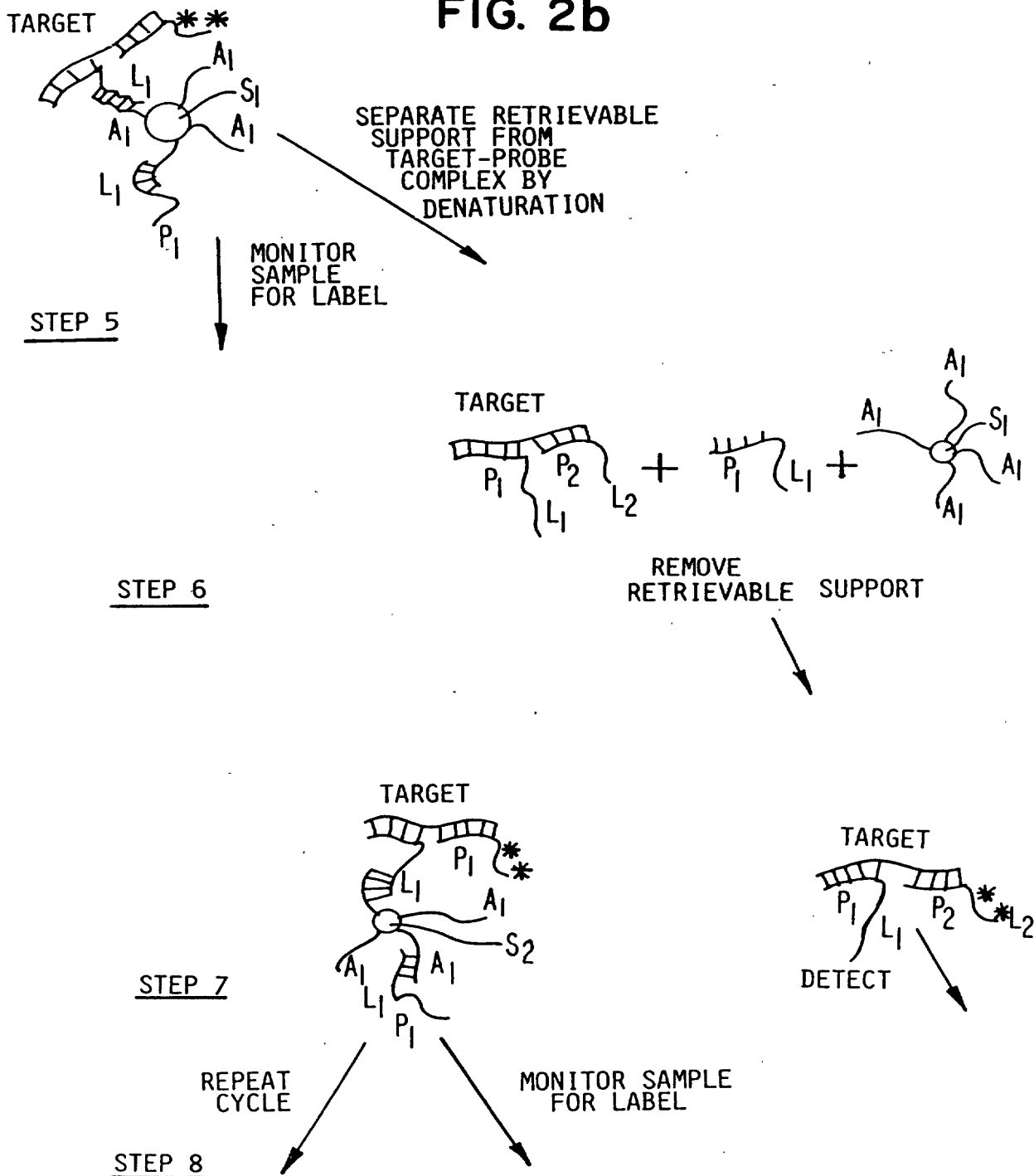


STEP 4

IMMOBILIZE RETRIEVABLE SUPPORT  
WASH IMMOBILIZED SUPPORT

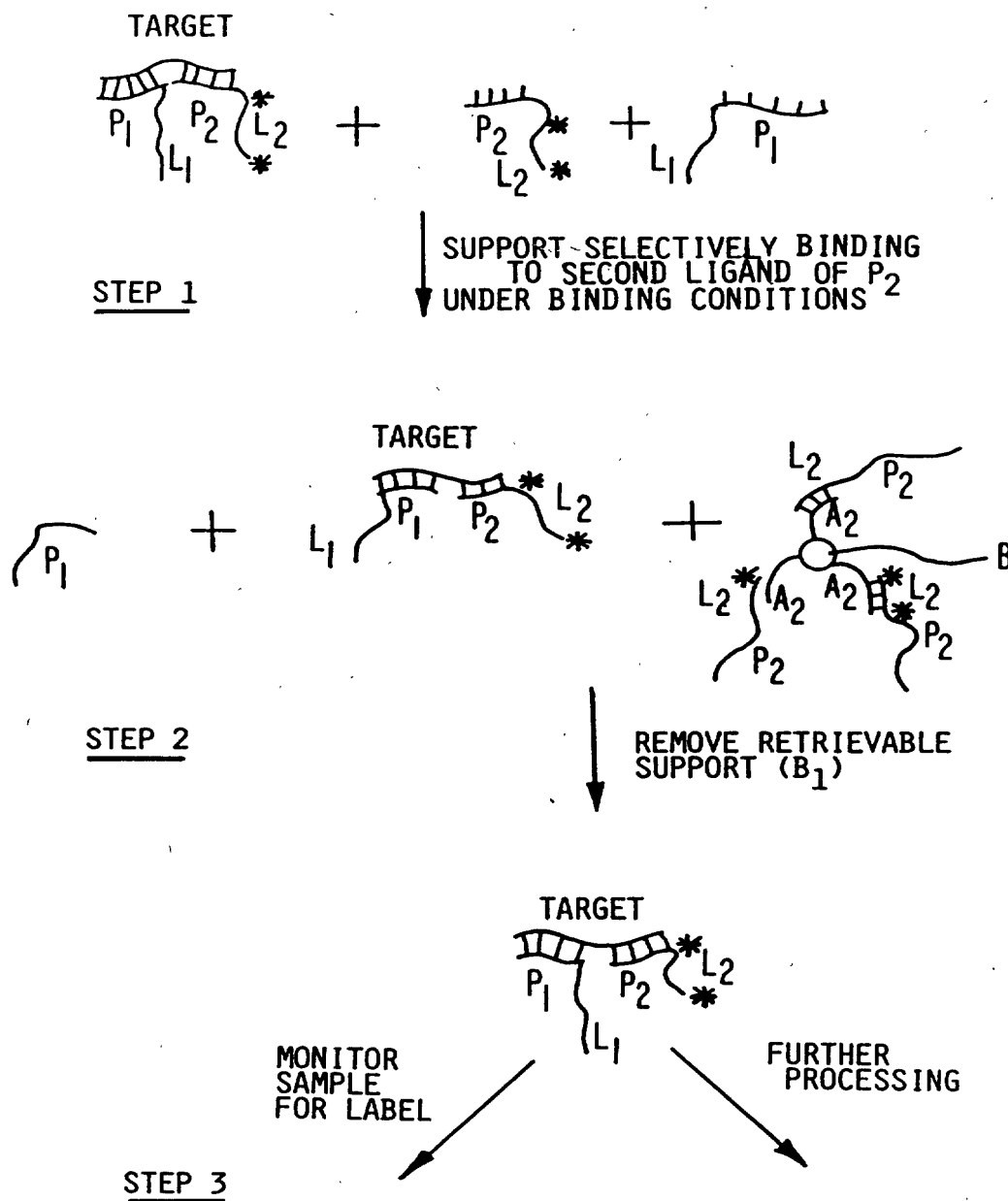
0824080-05034  
+66050-0805280

**FIG. 2b**



002300 0504

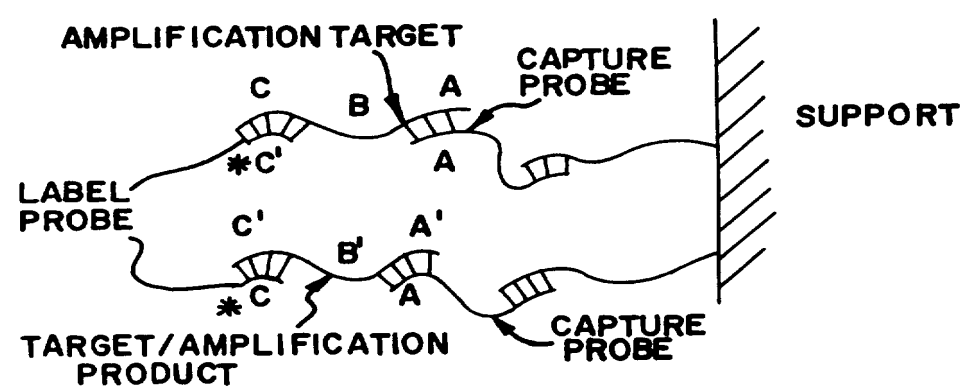
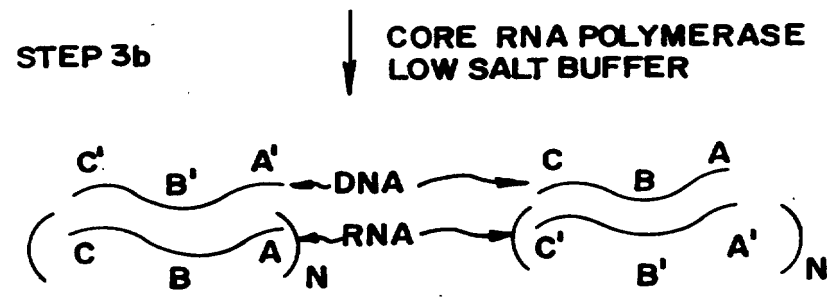
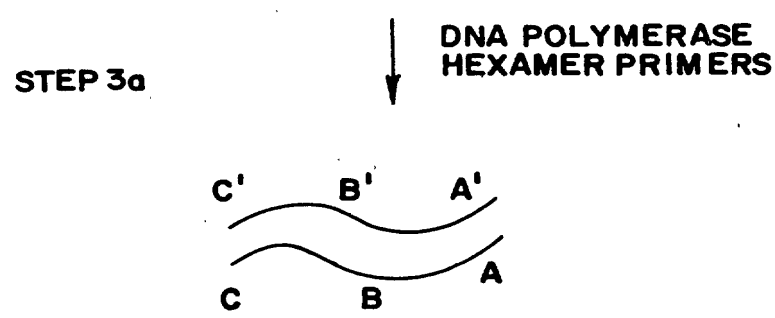
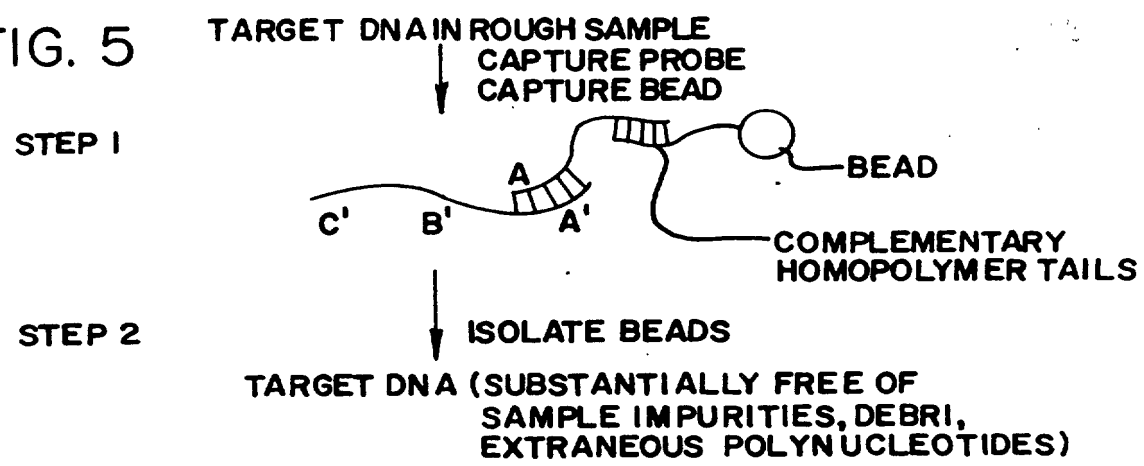
FIG. 3



0023080-00394



FIG. 5

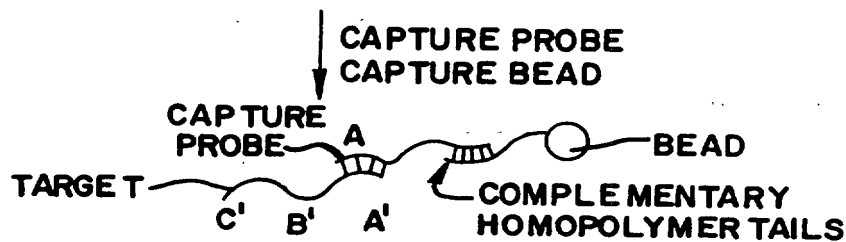


00238080-060391  
165050-08082200

**FIG. 6**

**STEP 1**

**TARGET DNA IN ROUGH SAMPLE**



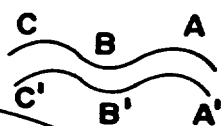
**STEP 2**

**ISOLATE BEAD**

**TARGET DNA (SUBSTANTIALLY FREE OF SAMPLE IMPURITIES, DEBRI, AND EXTRANEOUS POLYNUCLEOTIDES)**

**STEP 3a**

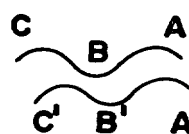
**DNA POLYMERASE  
HEXAMER PRIMERS**



**FIRST COMPLEMENT  
TARGET**

**STEP 3b**

**1. DENATURE  
2. DNA POLYMERASE**



**FIRST COMPLEMENT  
COMPLEMENT TO FIRST**

**STEP 4**

**DENATURE  
LABEL PROBE  
CAPTURE SUPPORT  
CAPTURE PROBE**

**TARGET/AMPLIFICATION PRODUCT**

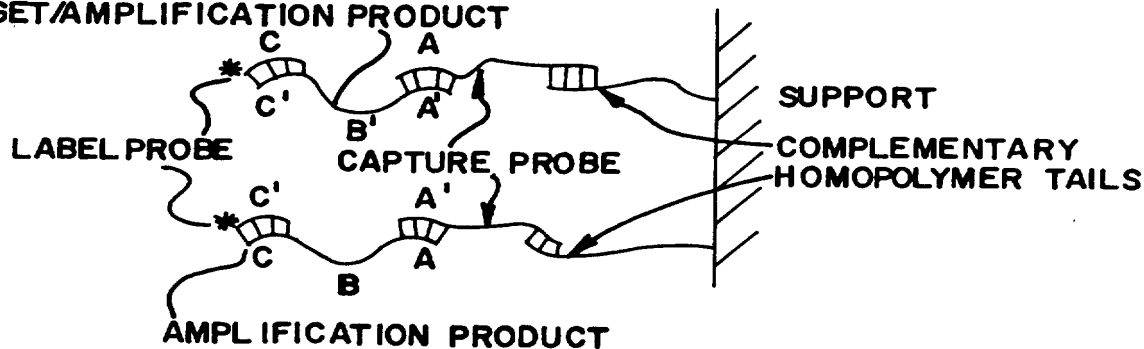
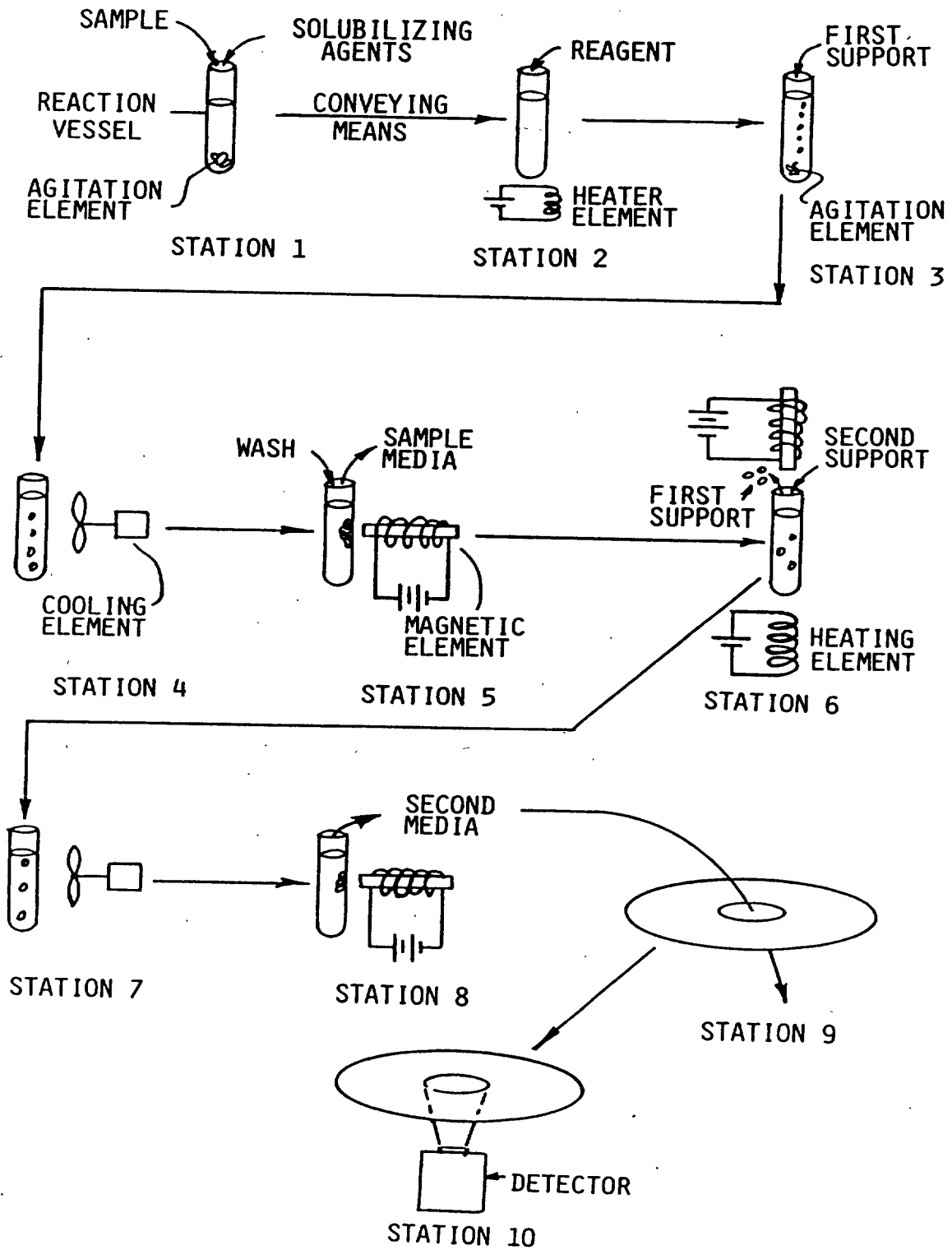




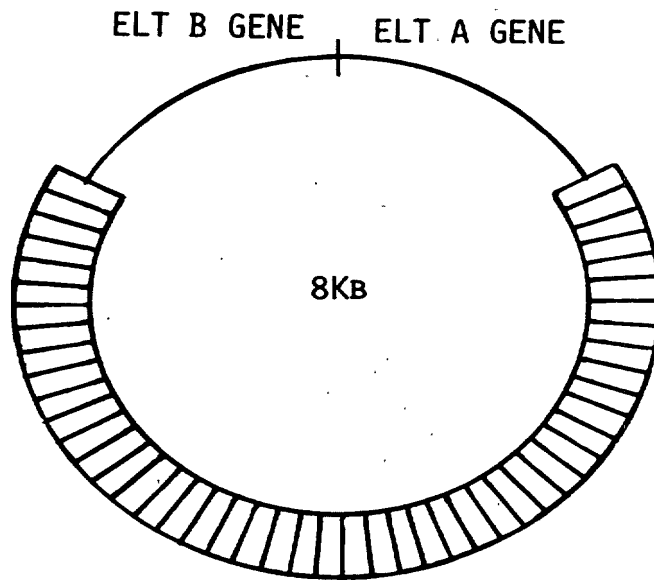
FIG. 7



08230800 051344

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

00230030-050944



PBR322- LIKE SEQUENCES

FIG. 8